

PRESSURIZED PLATE-HEATED MATERIAL DIE AND
METHOD OF CONSTRUCTING A PRESSURIZED PLATE-HEATED DIE

ABSTRACT OF THE DISCLOSURE

A pressurized, plate-heated die system has a distribution plate. A material feed tube is coupled to a material feed aperture in the die. The die has a U-shaped shim, a first insulator dielectric plate with a temperature sensor there in and a heating element. The die has a second insulator dielectric plate and an end plate. A plurality of bolts couple the components of the die. A method of constructing the die renders the components easily disassembled, cleaned and assembled.